

# *POMPTON LAKES HIGH SCHOOL*

## *PROGRAM OF STUDIES*



*EFFECTIVE SEPTEMBER 2023*



# PHILOSOPHY AND GOALS

In a complex world where change is so rapid, the school's responsibility is to supply students with the opportunity to develop the essential skills and attitudes that will enable them to successfully adapt to the challenges of the future. We believe that the purpose of our school is to educate young people and provide for their physical and emotional development. We must create an environment that reinforces the values of self-discipline, tolerance, and citizenship. Our curriculum should stimulate intellectual curiosity, assist students in making career choices, and develop an awareness of social and environmental responsibilities.

We believe that a school's obligation goes beyond the dissemination of skills and knowledge. Our American heritage mandates the development of proper attitudes necessary for proper citizenship in a democracy. In order to implement such attitudes, we must stress the importance of such personal qualities as responsibility, self-esteem, and integrity. In addition, we are responsible for producing a school environment that nurtures personal creativity and cultural appreciation.

We realize that our school does not exist in a vacuum. The community and the home must be actively involved in the positive development of our students. We, as educators, must continue to stress the importance of their contribution and cooperation.

We do not view our graduates as finished products. Rather, we strive to promote the idea that in our advanced technological age, education is a continuing life process. Active involvement in this process will assist our young people in the understanding of their roles in society and in the appreciation and enjoyment of a good life.

The following educational goals established and ranked by members of the community, teachers, students, and administrators shall represent the educational priorities for the school system and serve as a basis for the educational programs that the community desires to have in its schools. (The sub-heading under each goal is designed to provide a preliminary definition of each goal, but they are not limiting).

## **I. DEVELOP A DESIRE FOR LEARNING NOW AND IN THE FUTURE**

- A. Develop intellectual curiosity and eagerness for lifelong learning.
- B. Develop skills in reading, writing, speaking, and listening.
- C. Develop the ability to communicate ideas and feelings effectively.
- D. Develop skills in oral and written language.
- E. Develop background and skills in the use of numbers, natural sciences, social sciences, mathematics, and languages.
- F. Develop understanding and skills in the use of computers.
- G. Enable each child to progress at a rate commensurate with his or her abilities.
- H. Encourage each child to reach his or her potential.

## **II. LEARN HOW TO RESPECT AND APPRECIATE ETHNIC DIVERSITY**

- A. Develop and practice respect for the worth and dignity of all individuals.
- B. Develop an understanding of the interdependence of all races, creeds, nations, and cultures.
- C. Develop a cooperative attitude toward living and working with others.

## **III. DEVELOP PRIDE IN WORK AND FEELING OF SELF-ESTEEM**

- A. Develop an environment that promotes an atmosphere of security.
- B. Develop a feeling of student pride in his or her achievements and progress.
- C. Develop an awareness and acceptance of individual strengths and weaknesses.
- D. Develop a student's feeling of positive self-esteem.

**IV. DEVELOP A POSITIVE CHARACTER**

- A. Develop an awareness of social and environmental responsibilities.
- B. Develop a student's capacity to discipline himself or herself to work and study constructively.
- C. To acquire an understanding of ethical principles and values and the ability to apply them to his or her own life.

**V. LEARN HOW TO COLLECT, EXAMINE, AND USE INFORMATION**

- A. Develop the ability to collect information from a variety of sources.
- B. Develop the ability to examine information constructively and creatively.
- C. Develop the ability to use scientific methods.
- D. Develop thinking and reasoning skills.
- E. Develop responsible use of the Internet for acquiring information.

**VI. UNDERSTANDING AND PRACTICE DEMOCRATIC IDEAS AND IDEALS**

- A. Develop an awareness of civil rights and responsibilities.
- B. Develop attitudes for productive citizenship in a democracy.
- C. Develop respect for personal and public property.
- D. Develop an understanding of the obligations and responsibilities of citizenship, and promote participation.
- E. Develop knowledge and appreciation of the rights and privileges in our constitutional democracy.
- F. Develop an understanding of our American heritage.
- G. Develop respect and understanding of minority opinions and an acceptance of majority decisions.

**VII. LEARN HOW TO MANAGE PERSONAL ECONOMICS**

- A. Develop an understanding of economic principles and responsibilities.
- B. Develop the ability and understanding of personal buying, selling, and investing.
- C. Develop skills in management of personal income.

**VIII. DEVELOP AN AWARENESS OF CAREER OPPORTUNITIES**

- A. Develop a sense of pride in a job well done.
- B. Develop abilities and skills needed for employment.
- C. Develop an awareness of opportunities and requirements related to career planning.

**IX. PRACTICE AND UNDERSTAND THE IDEAS OF SAFETY**

- A. Develop an understanding of good physical and mental health.
- B. Establish sound personal health habits and information.
- C. Develop a concern for personal and public health and safety.

**X. APPRECIATE AND EXPERIENCE THE FINE ARTS**

- A. Cultivate appreciation for beauty in various forms of the fine arts.
- B. Develop creative self-expression through various media (art, music, writing, etc).
- C. Explore various forms of artistic expression.

**XI. UNDERSTAND AND PRACTICE SKILLS OF FAMILY LIVING**

- A. Develop an understanding and tolerance of diverse family lifestyles.
- B. Develop a sense of responsibility as a family member.

**XII. LEARN HOW TO USE LEISURE TIME**

- A. Develop interests and abilities for productive use of leisure time.
- B. Encourage positive participation in a range of leisure activities.

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**The Program of Studies of  
Pompton Lakes High School**

Effective September 2023  
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Pompton Lakes High School  
Guidance Department

Compiled by Tammy Weishaupt  
Vincent Przybylinski

# **STAFF**

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## **DEPARTMENT CHAIRPERSONS**

Ms. Kerianne Conner, M.A., Mathematics  
Mr. Michael Riordan, M.A., Social Studies and Business  
Mr. Stephen Tarsitano, M.A., Language Arts and World Languages

## **GUIDANCE SERVICES**

Guidance services in the Pompton Lakes School District are offered by a fully certified professional staff. The Developmental Program is an integral part of the total educational effort which is dedicated to meeting the multiple and complex needs of all students. Helping students to help themselves make decisions is a number one priority.

Students and parents are encouraged to utilize the services of the Guidance Department. Parents may make arrangements with counselors to discuss any matters relevant to a student's school experience by calling during the school day.

**Pompton Lakes High School**  
**973-835-7100**

**Main Office: Ext. 2510**  
**Guidance Dept. Ext. 2520**

Ms. Tammy Weishaupt, M.A., Director of Guidance  
Mrs. Dawn Kutzelman, M.A., Counselor  
Mrs. Katie Miceli, M.A., Counselor  
Mrs. Lucia Sposato, M.A., Counselor  
Mrs. Lisa Mazzella, Guidance Secretary

Ms. Jessica Ardis, School Psychologist  
Dr. Lisa Bracamonte, School Psychologist  
Mrs. Lia Dorsey, Mental Health Counselor  
Mr. Skip McLaughlin, Student Assistance Counselor  
Mrs. Kristen Racco, School Social Worker

# GRADUATION REQUIREMENTS

The Pompton Lakes Board of Education will grant a diploma to a student who has successfully completed required courses, obtained 130 credits and passed one of the transitioning graduation requirements approved by the NJ Department of Education.

**Minimum Credits Required:        130**

**New Jersey State Requirements:**

	Credits	Years
Language Arts Literacy (English grades 9-12)	20	4
Mathematics <i>(Algebra I, Geometry, Algebra II or its equivalent or any class that builds upon Algebra I or Geometry)</i>	15	3
Science <i>(5 credits in Biology/Life Science, one additional laboratory science in Chemistry, Environmental Science or Physics and one additional year)</i>	15	3
Social Studies <i>(5 credits in World History and two additional years of United States History)</i>	15	3
Physical Education, Health and Safety <i>(required for each year of enrollment)</i>	20	4
World Languages	5	1
Visual and/or Performing Arts	5	1
21st Century Life and Careers	5	1
Financial Literacy	2.5	1/2
Technological Literacy	Integrated throughout curriculum	

It is our goal to have our students enrolled in courses that meet their needs and fit their ability level. We encourage students to take the most challenging courses available. Students can enroll in honors and Advanced Placement (AP) courses if they meet the following criteria:

- Successfully complete prerequisites
- Receive a teacher recommendation
- Maintain good grades in current classes
- Accept the challenges of a fast-paced and intense curriculum
- Complete all summer assignments
- Score proficiently on standardized tests

# ***COURSE SELECTION***

The purpose of this booklet is to help students and parents plan a course of study appropriate to the needs, interests and aptitudes of the student.

The Procedure:

## **I. Group Meetings**

Beginning with Grade 11 in mid-January, and continuing with each succeeding grade level at two-week intervals, counselors meet with large groups to distribute and explain scheduling. Materials are distributed at these meetings.

## **II. Individual Conferences**

Each student meets with his or her counselor to plan a proposed schedule, including alternate selections. Parents or guardians are welcome at this conference. Future plans are discussed, credits reviewed, and course recommendations are considered. All selection forms must be signed by parent or guardian.

## **III. Changing the Schedule**

While every effort is made to schedule all subjects selected by students, limitations of staff, building space and time occasionally make necessary either the cancellation of undersubscribed course offerings or the substitution of alternate course choices.

When school resumes in September, a schedule change form must be completed, signed by the parent or guardian and approved by the counselor. Among the reasons for a schedule change in September are:

1. To increase credit load.
2. A change in career goals.
3. Scheduling error.
4. Summer school adjustment.

## **IV. Credits**

Semester Courses = 2.5 Credits

Year Courses = 5.0 Credits

AP Science Courses = 6.0 Credits

Work-Based Learning (Structured Learning Experience) = 10.0 Credits

Please remember that all students must carry 35 credits each school year. If a student drops a course, he or she must add a course to maintain 35 credits. Students will have 4 weeks after the start of school to request a level change or drop a course. After this time, the course will be included on the transcript as WP (withdrawn passing) or WF (withdrawn failing).



# CURRICULUM

Pompton Lakes High School has an open curriculum. All courses listed in this book are full-year unless otherwise noted. Although many courses are required, a wide variety of electives are available. Students are encouraged to choose the program which best satisfies the individual needs, interests and goals. Courses related to computer technology are helpful for students pursuing post-secondary education and school-to-work students.

A student interested in attending college must meet entrance requirements for college. Since admissions requirements vary from institution to institution, a student is best advised to prepare at least to meet minimums listed below:

Language Arts Literacy - 4 units  
World Language - 3 units  
Mathematics - 4 units

Science - 4 units  
Social Science - 3 units

	Math Tracks			
	Freshman	Sophomore	Junior	Senior
<b>Honors</b>	Honors Geometry	Honors Algebra 2	Honors Pre-calculus	AP Calculus and/or AP Statistics
<b>Accelerated Academic</b>	Academic Geometry	Academic Algebra 2	Academic Pre-calculus	Academic Calculus
<b>Academic</b>	Academic Algebra 1	Academic Geometry	Academic Algebra 2	Academic Pre-Calculus or Intro to College Math
<b>General/Academic</b>	Transitional Mathematics	Academic Algebra 1	Academic Geometry	Academic Algebra 2
	Science Tracks			
	Freshman	Sophomore	Junior	Senior
<b>Honors</b>	Honors Biology	Honors Chemistry	AP Biology/AP Chemistry Honors Physics AP Environmental Science Anatomy & Physiology Astronomy	AP Biology/AP Chemistry AP Physics 1 AP Environmental Science Anatomy & Physiology Astronomy
<b>Academic</b>	Academic Integrated Science	Academic Biology	Academic Chemistry	Academic Physics Anatomy & Physiology Astronomy

# ***Credits and Homeroom Assignments***

## **Credits**

Each student must attempt a minimum of 35 credits (7 courses or equivalent) each year.

## **Homeroom Placement**

The following rules apply for advancement from one grade level homeroom to the next:

**Grade 10 Homeroom: 30 credits**

**Grade 11 Homeroom: 60 credits**

**Grade 12 Homeroom: Potential to earn 130 credits and meet graduation requirements**

## ***Athletic Ability***

1. All entering 9th graders are eligible for fall and winter sports.
2. To participate in spring sports, the student must be passing the equivalent of 15.0 credits after the second marking period. For example, passing a 5.0 credit history course after the second marking period counts as 2.5 credits passing.
3. To participate in fall and winter sports during the 10th through 12th grades, a student must have passed (earned) 30.0 high school credits during the previous academic year, including summer school.

## **NCAA Initial Eligibility Clearinghouse**

All current information on qualifying for Division I and Division II can be found online at:

**[www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).**

## ***Independent Study Program***

### **0028 - Independent Study (11, 12)**

Any student desiring to pursue independent study project(s) should contact his or her guidance counselor and/or a teacher with whom the student would like to work. Teacher, supervisor, principal, parent and counselor authorization is required. Independent studies are only permitted if the course is in the program of studies, but not being offered at PLHS. An application must be completed and approved. May be elected over and above full subject load. Grades are not calculated in the cumulative grade point average.

# ***Teacher Aide Program***

## **OTA - Student Teacher Aides (10-12)**

Student teacher aides will assist teachers by helping students with their subject matter and by working with individuals or small groups. The student aides will mark papers, operate audiovisual equipment, duplicate papers, and be of general assistance to the teacher. In addition, limited openings may be available in the areas of physical education, counseling and the related arts. The student teacher aide program offers an opportunity for students to explore their own interests and abilities while rendering a valuable service to others. Students may only participate in the Teacher Aide Program over and above their full subject load. Students who participate in the Teacher Aide Program during periods 7, 8, and 9 shall not exercise the "Early Dismissal" privilege during their Teacher Aide period.

## ***Challenger Program***

The PLHS Challenger Program affords qualifying senior students the opportunity to take college-level courses at the Wanaque campus of Passaic County Community College. Students must take a minimum of 4 classes in the morning at PLHS and attend classes at PCCC in the afternoon. Students are required to take a total of 4 classes at PCCC, 2 in the fall semester and 2 in the spring semester. Registration will take place in late spring and the tuition is based on a discounted rate.

## ***Project Acceleration***

Juniors and seniors in good academic standing can participate in SHU-PA, Seton Hall University Project Acceleration. Students can earn college-level credit for courses that have been pre-approved by Seton Hall University. These select courses will be available at Pompton Lakes High School and credits are transferable to over 200 colleges and universities. Registration is part of the course selection process for PLHS classes and tuition is based on a discounted rate. \*Courses with an asterisk indicate eligibility for students to earn college credit subject to Seton Hall University approval and staffing at PLHS. Students can register for a maximum of 2 courses per semester.

## ***Virtual Courses***

PLHS has partnered with Educere to afford qualifying senior students the opportunity to take courses at PLHS during an allotted period that are not otherwise offered in our current program of study. Courses are provided online and students may take a total of 5 credits (one full year course or two half year courses) during their senior year. Registration will take place in late spring and each student is responsible to pay the course fee. The grade earned will not be calculated into the student's GPA.

# ***Health & Physical Education***

## **Physical Education (9, 10, 11, 12) General (3 Cycles) (9000, 1000, 1100, 1200)**

Through active participation in a wide variety of team sports, dual and individual sports, lifetime sports, and recreational activities, Physical Education develops skills, knowledge and attitudes which contribute directly to the development of physical efficiency and social competency. Fitness is an important component of the entire curriculum. Fitness activities and testing are done throughout all grade levels as an additional program to complement the core curriculum. The program of instruction is fully co-ed. Students take Physical Education daily except when in Health Education.

## **9112 - Weight Training (10-12) General**

This course is designed as an introductory course to athletic strength training and will promote students' knowledge in developing, tracking, and learning about resistance training. One day a week, students will receive classroom instruction on strength training, supplements, and physiology. Students will lift weights four days a week. Students will be provided quality workout opportunities based on the strength training principles taught in the classroom. Topics include systematic body weight training, physiology of exercise, and other training methods. Tests and measurements of fitness strength will be used as a means of evaluation.

## **Health Education**

Each year, students are assigned one nine-week cycle of instruction in Health or Safety.

## **0002 - Growth and Development (9) Academic (1 Cycle) (6666-4x)**

This course explores growth and development, and develops the individual student's ability to understand himself. Emphasis is placed on awareness that mental and emotional health is a primary aspect of total health. Units include communicable disease, drugs, consumer health protection, and family life education.

## **0004 - Safety (10) Academic (1 Cycle) (0040-4x)**

This course in driver education theory is a prerequisite to behind-the-wheel driver education. A minimum of 30 hours of classroom instruction prepares students for the state law knowledge examination. Success in this examination is also a prerequisite to obtaining the special learner's permit required for behind-the-wheel instruction. In addition to learning the laws and regulations governing driving in New Jersey, students also learn the dangers of drinking and driving, the value of wearing safety belts and the need for emotional control while driving.

## **0006 - Principles of Health, Fitness and First Aid (11) Academic (1 Cycle)**

This course is designed to make the students aware of physical fitness and body composition at different stages of an individual's life. Students become acquainted with the effects of proper fitness, diet and compulsive behaviors as they relate to each individual. Units include physical fitness, nutrition, body composition, and cardiovascular assessment. First Aid and CPR units are also included.

## **0010 - Health (12) Academic (1 Cycle)**

This course is designed to make the students aware of the importance of good wholesome family life and to recognize, understand, and accept the responsibilities of adulthood and parenthood. Students are acquainted with the effects of alcoholism and drug addiction on the family structure. Strong emphasis is placed upon mental and emotional health and maturity.

# ***Language Arts***

## **0102 - English 9 Academic**

This year-length course includes an eclectic survey of literature. It is designed to offer the student literary experiences with novels, short stories, biographies, and works of nonfiction. In addition to the study of spelling and vocabulary, the students will be required to write narrative and descriptive essays. Specific skills in mechanics will be developed as well as the writing of the multi-paragraph essay, the preparation and development of a variety of speeches, and the preparation and completion of a research project. Additionally, five outside readings of full-length novels and/or plays will be read and studied during the year.

## **0104 - English 10 Academic**

This year-length course includes a survey of American literature. It is designed to offer the student experience with works, movements, forms and themes generally considered basic reading in American literature. The course includes the interpretation and understanding of poetry, biography, drama, the novel, short story, and essay. Basic skills in grammar and expository writing will be reinforced and developed. Students will also give an expository speech in conjunction with their writings. Correct spelling and vocabulary will be studied. At least five full-length novels and/or plays by American authors will be read and studied during the year.

## **0106 - English 11 Academic**

This year-length course includes a chronological survey of British literature. It is designed to offer the student experience with works, movements, forms, and themes generally considered basic reading in British literature, and with the interpretations and understanding of poetry, biography, drama, novel, short story, and essay. In addition, spelling and vocabulary will be stressed. Specific skills in mechanics will be developed as well as the writing of the multi-paragraph paper, the thesis statement, and techniques of persuasion. The student will be required to present a speech, to complete a research project and to read at least five full-length novels and/or plays by British authors.

## **0111 - English 12 Academic**

This is a chronological presentation of classics of world literature which explores the many varied voices of the cultures around the globe from ancient times to the present. Emphasis will be away from the traditional British and American literatures and placed on the multi-cultural mosaic of the rest of the world. Through the use of short stories, drama, poetry, novels, etc., the students will gain an awareness of the many thematic issues that confronted these peoples.

## **1021 - Honors English 9**

This year-length course is designed to challenge the intellect of the advanced language arts student through the comprehensive reading and analysis of multiple works of classical literature from numerous genres. Students will be required to write thoughtful essays critiquing the presented literature with follow-up discussions in class. Accompanying the literary aspects of the class will be grammar instruction, reading comprehension exercises, editing skills, speech preparation, and creative writing. The students are required to actively participate in all facets of the class.

## **1041 - Honors English 10**

This year-length course includes a survey of American literature that challenges the academically motivated language arts student. In addition to the material covered in the academic 10 course, the honors program will include an additional five full-length outside readings of American literature. Students will be expected to explore literature with greater insight and to articulate their literary interpretations clearly and distinctly in oral and written form. Analytical essays will be the primary focus of all written work. Active class participation will be required.

## **1061 - Honors English 11**

This year-length course includes a survey of British literature that challenges the academically motivated language arts student. In addition to the material covered in the academic 11 course, the honors program will include an additional five full-length outside readings of British literature and ten selected short stories. Students will be expected to explore literature with greater insight and to articulate their literary interpretations clearly and distinctly in oral and written form. Analytical essays will be the primary focus of all written work. Active class participation will be required.

## **1071 - AP Language and Composition (11)**

### **PREREQUISITE: Approval of English Department**

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

## **1701 - AP English Literature (12)**

### **PREREQUISITE: Approval of English Department**

This course will prepare the student for the AP Exam while focusing on the study of world literature as it reflects universal experiences drawn from various cultures and historical periods. In addition, students will be expected to refine their individual writing styles and critical thinking skills. They will participate in process-writing workshops and be assigned literature-based essays throughout the year. The focus will be on the development of college-level communication skills with a stress on writing and oral communication. Challenging supplemental reading will also be incorporated into the course throughout the year.

# ***Language Arts Electives***

## **0118 - Mythology for the Modern World (11, 12) Academic (Semester)**

A mythological survey course designed to enhance the students' awareness of the way myths operate in a given culture and how they illustrate certain universal aspects of the human condition. Through the study of myths beginning with the ancient Sumarians up to contemporary mythology, students will become aware of how myths have influenced literature, art, music and philosophy. In addition to the study of mythology, students will become "myth makers" themselves as they create myths and legends in the style of the cultures studied.

## **0143 - SAT Review (English-Mathematics Combined Elective) (10, 11) Academic (Semester)** **PREREQUISITE: Algebra 1 or Foundations of Algebra**

This semester course is designed to prepare students for the mathematics, critical reading and writing sections of the Preliminary SAT and the SAT. An extensive review of necessary skills and test-taking techniques is undertaken. The latest materials will be utilized. Students will receive one cycle of math and one cycle of English. This course does not count toward the required credits in English or mathematics for graduation or college entrance.

## **0145 - \*Creative Writing (11, 12) Academic (Semester)**

Creative writing is an exploration of the narrative writing style. It is designed to not only develop writing skills but also help students find their own voices and individual styles. Students will analyze the craft and style of a selection of different writers, engage in the writing of different types of poetry and prose, and investigate several methods of publishing their creative work. Ultimately, students will embark on the long and exciting journey of authorship.

## **0156 - Film Studies and Production**

This course will introduce students to the film industry and some history of cinema through the study of classic and contemporary films. Emphasis will be placed on a wide variety of styles and genres as well as formulating and justifying criticisms of the works. In addition, the course will introduce students to the components of film production and provide them with the ability to critique film independently. Since close attention will be placed on film analysis, students will have the opportunity to develop their voice when discussing film. A heavy emphasis will be placed on formal techniques like the close-up, point of view, editing, framing, and the use of sound as they function with particular cinematic contexts and as they function within the particular film's systemic languages. Lastly, students will be writing, filming, and editing their own films and other short projects in a group setting.

## **0157 - Advanced Film Studies and Production**

Advanced Film Studies and Production is the second level of the film studies program. In this class, students will draw upon the skills and techniques developed in Film Studies & Production in order to craft long-form film projects for a wide variety of audiences. Students will continue their study of film history through exposure to a new set of films, but the focus of this advanced course will be placed more on film production than the previous course. Emphasis in this course will also be placed more on hardware, with students working with equipment such as interchangeable lenses, boom microphones, lighting setups, and other advanced materials in order to further develop the quality of their work. Projects (scripts and completed films) will be submitted to local festivals.

### **0100 - English Workshop (9, 10) General**

English prep is a workshop-model class designed to help at-risk students learn strategies to become more confident readers and writers and improve their overall GPA. Over the course of the semester, students will review fundamental skills for reading comprehension and each of the important modes of writing. The class will consist of three parts: targeted reading comprehension, nonfiction and fiction reading strategies, and development of writing. The lessons in these areas are individualized to each distinct cohort's particular needs and will also be applied to student work from outside the class to allow students to improve their grades in other academic areas as well.

### **0101 - Senior Portfolio - Language Arts (12) General (Semester)**

This class is intended for seniors who have not met an approved graduation test requirement. This class will run during the first semester and prepare students for the fall administration of approved tests through the implementation of targeted test-taking strategies and practice. After a review of tests results and remediation of necessary skills, students will complete a portfolio or project.

## ***Social Studies***

### **0201 - World History: 1400 to Present (9) Academic**

The content of this full-year course deals with the political, social, economic, religious and cultural development in the world. This course is designed to provide a survey of world history from 1400 to the present. Research and map mastery are required.

### **0232 - World History: 1400 to Present (9) Honors**

#### **PREREQUISITE: Approval of the Social Studies Department**

The World History course is offered to a small group of academically talented students as an opportunity to approach world history with a concentration to the humanities. The additional content of this full-year state required course deals with the political, social, economic, religious and cultural developments of the world. This course is designed to provide a survey of world history from 1400 to present.

### **0209 - United States History 1 (10) Academic**

Students study the first part of the state-required United States History course. This course is immediately concerned with the comprehensive task of presenting American history from the founding of our country to 1900. It presents the basic knowledge, the concepts, ideas and patterns of the political, social and economic growth which acquaints students with their nation's heritage. Research and map mastery are required.

### **0291 - United States History 1 (10) Honors**

#### **PREREQUISITE: Approval of the Social Studies Department, World History**

The US 1 Honors course is offered to a small group of academically talented students as an opportunity to approach 20th century American history from the point-of-view of key concepts, skills and themes prevalent throughout Advanced Placement US History. This course is a thorough preparation and first step to the Advanced Placement US History given to juniors and seniors. This course covers American history from the founding of the colonies to 1900.



## **0213 - United States History 2 (11) Academic**

American history is viewed from industrialization to today. This course includes a study of contemporary social issues, government and economics. Current events are studied over the entire year. Research and map mastery are required.

## **2151 - AP United States History (11)**

### **PREREQUISITE: US 1 Honors and Approval of the Social Studies Department**

The United States History 2 Advanced Placement program is designed to provide students with analytic skills and factual knowledge from the days of exploration to the present, and to deal critically with the problems and materials involved in US history. Students will strive to master their writing and research skills in order to present forceful oral and written arguments on a variety of issues. The demands of this AP course will be equivalent to those of a college course. Work on document-based questions and open-ended questions prepares the students for the AP exam in May. American history will be studied from colonial days to the present.

## ***Social Studies Electives***

## **0241 - The Contemporary American Experience (11,12) Academic (Semester)**

### **PREREQUISITE: United States History 1**

While analyzing the impact of major events from the latter 20th and early 21st centuries, this semester course will examine critical issues facing modern America from varied perspectives. Students will consider the impact of diverse social movements along with the effects of popular culture in order to gain a deeper understanding of the nation they will inherit. Debate and discussion will be common.

## **0242 - Economics (11, 12) Academic (Semester)**

### **PREREQUISITE: United States History 1**

This elective serves as an introduction to basic theories that will enable students to better understand economies on state, national, and global levels. The course will focus on supply and demand factors and how they impact various market structures. Students will also examine how governments can play a role in market outcomes as they attempt to strike a balance between equity and efficiency.

## **0244 - \*Sociology (11, 12) Academic (Semester)**

This semester course, offered to juniors and seniors, concentrates on a study of man in his society. It will include such areas as culture, personality, the family, the community, social organization, and an emphasis on the study of civil rights for minorities and women. Through it, students should gain a better understanding of society and their role in it. Research is required.

## **2141- AP Microeconomics (11, 12)**

### **PREREQUISITE: US History 1 Honors or teacher recommendation**

The study of economics provides insight into many social and political problems in the United States and the world. This course provides a comprehensive understanding of economics. Topics include: inflation, recession, depression, the development and working of the free market system, monetary and fiscal policy, economic indicator, supply side economics, and current economic issues. Skills such as the interpretation of statistics and graphs, translating economics statistics into graphs, and the evaluation of various types of investments such as stocks, bonds, and money-market funds are studied. Students are given the opportunity to use cost-benefit analysis to develop an approach to decision-making that is less emotional and more rational.

## **2102 - AP U.S. Government and Politics (10-12)**

### **PREREQUISITE: US History 1 Honors or World History Honors**

AP U.S. Government and Politics will give students an analytic perspective on government and politics in the United States. Those that successfully complete this course will be able to compare important facts and theories, explain typical political processes and critically analyze modern government. Significant topics will include The Constitution as a living document, political beliefs and behavior, political parties, mass media, national institutions, public policy and civil rights.

# ***STEM***

## ***Science, Technology, Engineering, and Mathematics***

### ***Science***

## **0311 - Integrated Science (9, 10) Academic - Lab Science**

In this year-long course, students learn about topics covered in greater depth in subsequent courses that include biology, chemistry and physics. No student should leave high school without knowing these basic scientific principles. Knowing them allows students to understand our modern technological society and succeed in the upper class science courses.

## **0304 - Biology (10-12) Academic - Lab Science**

This course gives students an excellent background in biological science. They will learn, in detail, about the complicated chemical reactions which take place inside living things. As well as why and how these reactions occur. Also, they will gain knowledge about various facets of biology including, but not limited to, biochemistry, DNA technology, genetics, evolution, bacteriology, zoology, and ecology. Students are kept up to date on the latest biological findings and advancements in technology.

### **3051 - Honors Biology (9, 10) Lab Science**

**Students enrolled in Honors Biology must also be enrolled in Geometry.**

**PREREQUISITE: Approval of the Science Department**

Honors Biology is a weighted course designed for academically talented students who have experience doing demanding high school-level work. College-level concepts are approached in this course tailored for those seriously interested in biological science. A greater quantity of information is covered in more depth than in our regular biology program. In addition to the usual note-taking, tests, quizzes, etc., there are other activities. They include biology enrichment readings, detailed investigations of new biological findings, and term papers written in the proper scientific manner. At least once in each cycle, a major project requiring many hours of preparation is assigned.

### **3162 - AP Biology (11, 12) 3071 - Lab**

**PREREQUISITE: Honors Biology, Honors Chemistry, Approval by the Science Dept.**

The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The AP Biology course differs significantly from the usual first course in high school biology with respect to the textbook used, the range and depth of topics covered, the type of laboratory work done by the students, and the time and effort required of the students. In addition to required summer assignments, students will conduct college level laboratory assignments including the twelve suggested by the College Board. Throughout the course students will focus their studies on the eight major themes including Science as Process, Evolution, Energy Transfer, Continuity and Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, and Science, Technology and Society. Summer assignments are required.

### **0318 - Principles of Chemistry and Physics (11, 12) General**

**PREREQUISITE: Biology and Foundations of Geometry**

This course is designed to provide students with a solid foundation of the principles of chemistry and physics. Topics covered include atomic structure, periodic law, balancing chemical equations, force, motion, and electricity. The course consists of lecture, demonstrations, virtual and hands-on labs.

### **0312 - Chemistry (10-12) Academic 0313 - Lab**

**PREREQUISITE: Algebra 1**

Chemistry is the study of substances and the changes they undergo. It is a broad science that overlaps with many others. This course is designed for the learner to become familiar with this fascinating science through qualitative and quantitative investigation along with laboratory experimentation. A strong knowledge of mathematics, and inquisitive, logical nature and a sense that laboratory safety is important are all necessary for success in the class.

**3121 - Honors Chemistry (10-12) 3131 - Lab**  
**PREREQUISITE: Honors Algebra 2 or Precalculus**

Chemistry is the study of substances and the changes they undergo. It is a broad science that overlaps with many others. This course is designed for the learner to become familiar with this fascinating science through qualitative and quantitative investigation along with laboratory experimentation. The course is taught with an emphasis for the student to be ready to take Advanced Placement Chemistry in the following year. A very strong knowledge of mathematics, and inquisitive, logical nature and a sense that laboratory safety is important are all necessary for success in the class.

**3163 - AP Chemistry (11, 12) 3191 - Lab**  
**PREREQUISITE: Honors Chemistry, Honors Algebra 2,**  
**Approval by the Science Dept**

This course is designed for the students who have successfully completed Honors Chemistry and want to take the Advanced Placement Chemistry test. Topics covered are dictated by the CollegeBoard's Advanced Placement Program including: Stoichiometry, Thermochemistry, Chemical Equilibrium, Chemical Kinetics and Electrochemistry. A strong math background is necessary. Lab activities are an integral part of the course. They, too, are scholastically demanding and require the student to have a serious attitude about the work. The interpretation of lab data requires critical, high-level thinking skills and an in-depth understanding of chemical concepts. Summer assignments are required.

**0314 - \*Physics (11, 12) Academic 0315 - Lab**  
**PREREQUISITE: Algebra 2**

This course is for college-bound students. It is designed so serious students may study the physical universe through measurements of time, space, mass and energy. The course consists of lectures, demonstrations, laboratories, and class discussions on topics such as motion, optics, waves, heat, mechanics and electricity.

**3101 - Honors Physics (11, 12) 3012 - Lab**  
**PREREQUISITE: Honors Algebra 2 and Honors Chemistry**

This highly rigorous course is designed for college-bound students. College level concepts are introduced in this course. The course consists of lectures, demonstrations, laboratories and class discussion on topics including motion, optics, waves, heat, magnetism and electricity. A greater quantity of information is presented in more depth than academic physics and, therefore, a strong math background is necessary.

**3173 - AP Physics 1 (11, 12) - Lab**  
**PREREQUISITE: Honors Chemistry, Honors Algebra 2, Approval by the Science Dept**

This course is designed for the students who have successfully completed Honors Chemistry and want to take the Physics 1: Algebra-Based Advanced Placement test. This is the first of a two-year sequence in AP Physics. Topics are dictated by the CollegeBoard's Advanced Placement Program, and includes kinematics, Newton's Laws of Motion, energy and power, momentum, rotational kinematics and dynamics, simple harmonic motion, and waves. A strong background in geometry, algebra, and trigonometry is required. Lab activities are an integral part of the course. Labs are scholastically demanding and require the student to have a serious attitude about the work. The quantity and depth of topics is great, and the coursework requires a high level of interpretive and analytical skill. Summer assignments are required.

## ***Science Electives***

### **0300 - \*Anatomy and Physiology (11, 12) Academic - Lab Science**

#### **PREREQUISITE: Biology or Honors Biology**

This academically rigorous course is for those students interested in science-related fields.

Anatomy and Physiology is an in-depth study of the specific functions and structures of the tissues, organs, and systems of the human body. An emphasis is placed on the interrelatedness of such systems as the skeletal, muscular, nervous, and circulatory. This course demands extensive preparation outside of class and will include labs to physically demonstrate the mechanical principles with a mandatory cat dissection.

### **0317 - \*Astronomy-Space: The Final Frontier (11, 12) Academic (Semester)**

#### **PREREQUISITE: Completion or enrollment of Algebra 2**

Astronomy is a rapidly evolving science dedicated to the understanding of the Cosmos. This course is intended for students to use their previous knowledge from courses in Biology, Chemistry, Physics, and Earth Science as well as Algebra and Trigonometry to study discoveries new and old about the Universe as we know it through qualitative reasoning.

### **3161 - AP Environmental Science: (11, 12) - Lab Science**

#### **PREREQUISITE: Honors Biology, Honors Chemistry, Approval by the Science Dept.**

This course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. It also affords students the opportunity to identify and analyze both natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternate solutions for resolving or preventing them. The student who has broad interests in the social, political, humanitarian and scientific issues is encouraged to take this course. Summer assignments are required.

# ***Technology and Engineering***

## **0432 - Computer Science with Javascript (9-12) Academic (Semester)**

This semester course will introduce the student to the basics of computer programming. Although the teacher will provide formal instruction, the student will spend a considerable amount of time completing tasks and projects by writing computer code. There are four units which make up the course, Basic Programming, Javascript and Graphics, Animation and Games and Basic Data Structures.

## **0433 - Robotics and Product Design (9-12) Academic (Semester)**

This semester course will introduce the student to the ever-increasing field of robotics while also exposing the student to the fundamentals of product design. This project-based course will allow the student to build and program a robot to perform various tasks. Project management within a team approach will be emphasized throughout. The students will also design and create a part for a particular task used by the robot with a 3D printer.

## **0434 - Computer Science - Python (10-12) Academic (Semester)**

This semester course will allow the student to develop computer programming skills in a classroom setting, but allow for independent study of a computer language of his or her choice. The Course will utilize the CODEHS platform for Python. The student must be committed to learning the computer language in a guided and independent fashion.

## **0435 - AP Computer Science A (10-12)**

Advanced Placement Computer Science is a college level course that asks the student to design programs that are understandable, adaptable, and where appropriate, reusable. Students will write their own classes, modify existing classes and develop algorithms using standard data structures. The purpose of the AP Computer Science course is to help students develop and enhance programming abilities, and to prepare to take the AP Computer Science exam. Students should be able to reason logically and apply programming skills to real-world activities.

## **0439 - Computer-Aided Design (CAD) (9-12) Academic (Semester)**

Utilizing the engineering industry standard, AutoCAD, the student will develop the skills necessary to create mechanical drawings. Included in the course will be detailed coverage of the latest version of AutoCAD features and capabilities along with strong emphasis on mechanical exercises and practical engineering applications. This course is suitable for those interested in learning a trade skill as well as those interested in engineering.

# ***Mathematics***

## **0402 - Transitional Mathematics (9) General**

This general mathematics course will enhance the student's pre-algebra skill set which will allow the student to have greater success in Algebra I and beyond. The year-long course will focus on the skills that are deemed to be most beneficial for future mathematical success including integer/fraction operations, graphing, linear functions, data analysis and solving word problems. Students who enroll in the course must complete the General/Academic Math Track as specified on p. 5, including all associated and required standardized testing, prior to graduation.

## **0413 - Algebra 1 (9-11) Academic**

This college preparatory course is the foundation of all future mathematical courses. It extends the student's ideas and skills into a more sophisticated structure. Calculators and computers are used to enhance the course content. Some of the topics covered include the basic operations on rational numbers, solving linear equations, inequalities, absolute value, polynomials, factoring, functions and graphs, solving systems of equations, quadratic equations, and statistics and probability.

## **0419 - Geometry (9-12) Academic**

### **PREREQUISITE: Algebra 1**

This course is a college preparatory course in which algebraic skills are reviewed and strengthened through applications to problem-solving in geometry. Relationships among points, lines, and planes are investigated. Topics such as coordinate geometry, congruency, right triangles, trigonometry, similarity, properties of polygons, circles and three-dimensional figures are also covered.

## **4191 - Honors Geometry (9, 10)**

### **PREREQUISITE: Algebra 1 and Approval of the Mathematics Department**

This course is intended for the highly gifted and highly motivated student who took Algebra 1 in either the eighth grade or high school. The required geometric topics will be covered in a more theoretical and challenging manner. Additional enrichment topics such as logic and patterns of reasoning, transformations, rotations, reflections, and a full development of coordinate geometry with proofs will also be covered.

### **0423 - Algebra 2 (10-12) Academic**

#### **PREREQUISITE: Algebra 1 and Geometry**

This college preparatory course is designed for students who have a good grasp of Algebra 1. The topics include investigation of the real and complex number system, the concepts of variables, mathematical vocabulary, and the formulation of simplification and evaluation of algebraic expressions. Calculator applications, systems of equations and inequalities, graphing of linear, quadratic and simplification of polynomial, radical and rational expressions, conic sections, logarithms, sequence and series are also covered.

### **4231 - Honors Algebra 2 (10-12)**

#### **PREREQUISITE: Algebra 1, Geometry and Approval of the Mathematics Dept**

This full-year college preparatory course is the second year of algebra intended as a continuation of the Honors Geometry program. All topics listed for Algebra 2 are covered in a more analytical fashion. Instructions on the graphing calculator are given, and their applications are utilized and integrated into the curriculum.

### **0426 - Precalculus (11, 12) Academic**

#### **PREREQUISITE: Algebra 1, Geometry and Algebra 2**

This course thoroughly prepares the student for college-level courses. Stress is placed on precalculus topics such as functions and limits. Circular and trigonometry functions are developed in great detail. Algebraic, exponential and logarithmic functions, polar coordinates and complex numbers are comprehensively studied. Graphing calculators are an integral part of the course.

### **0429 - \*Calculus (12) Academic**

#### **PREREQUISITE: Completion of Precalculus**

This year-long course is offered to students who have successfully completed Precalculus and are seeking a fourth year of mathematics. The course will include an introduction to calculus and trigonometry. The topics covered will include functions and limits, differential calculus, integral calculus, the unit circle, trigonometric identities, trigonometric functions and graphs, and exponential and logarithmic functions. Graphing calculators are an integral part of the course and extensively used.

### **0431 - Introduction to College Mathematics (12) Academic**

#### **PREREQUISITE: Algebra 2**

This year-long course is offered to students who have successfully completed Algebra 2 and are seeking a fourth year of mathematics. The topics covered will include a review of concepts from Algebra 2, linear and quadratic functions, personal finances (that is, taxes, interest, savings, investing and spending), applications of measurement and geometry, fundamental counting methods, and probability and statistics. Graphing calculators are an integral part of the course.



## **4261 - Honors Precalculus (11, 12)**

### **PREREQUISITE: Algebra 1, Geometry, Algebra 2 and Approval of the Mathematics Department**

This course is the continuation of the honors mathematics program. Stress is placed on the topics needed for AP Calculus. Topics covered in great detail include linear functions, matrices, limits, circular functions, trigonometric functions, exponential and logarithmic functions, sequences and series, polar coordinates and complex numbers. Graphing calculators are an integral part of the course and extensively used.

## **4271 - AP Calculus AB (12)**

### **PREREQUISITE: Approval of the Mathematics Department**

Advanced Placement Calculus is the culmination of the honors mathematics program. It consists of an academic year of work in calculus and related topics comparable to courses offered at the college level. The course outline from the CollegeBoard will be vigorously followed. Topics covered include functions and limits, differential calculus and integral calculus. Graphing calculators are an integral part of the course and are extensively used.

## **4311 - AP Statistics (11, 12)**

### **PREREQUISITE: Enrolled in or completed Precalculus and approval of the Mathematics Department**

Advanced Placement Statistics is a one-year course equivalent to a one-semester, introductory, non-calculus based, college course in statistics. The course outline comes from the CollegeBoard and will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Conceptual themes covered are the exploratory analysis of data making use of graphical and numerical techniques to study patterns and departures from patterns, well developed plans for data collection, anticipating patterns, and statistical inference to select appropriate models. Graphic calculators are an integral part of the course and are extensively used.

## **0143 - SAT Review (English-Mathematics Combined Elective) (10, 11) Academic (Semester)**

### **PREREQUISITE: Algebra 1**

This semester course is to prepare students for the mathematics and verbal sections of the Preliminary Scholastic Aptitude Test (PSAT) and the Scholastic Aptitude Test (SAT). An extensive review of necessary skills and test-taking techniques is undertaken. The latest materials will be utilized. Students will receive one cycle of math and one cycle of English. This course does not count toward the required credits needed in mathematics or English for graduation or college entrance.

## **0401 - Senior Portfolio - Mathematics (12) General**

This class is intended for seniors who have not met an approved graduation test requirement. This class will run during the first semester and prepare students for the fall administration of approved tests through the implementation of targeted test taking strategies and practice. After a review of tests results and remediation of necessary skills, students will complete a portfolio or project.

# ***World Languages***

## **0510 - French 1 Academic**

French 1 is an introductory language class focused on the study and acquisition of French. Students study common greetings, expressions, and other foundational French language concepts while also gaining an appreciation of French culture.

## **0511 - French 2 (9-12) Academic**

### **PREREQUISITE: French 1**

Communication through listening, speaking, reading and writing are strongly emphasized. Materials are presented through conversation visuals, paired practice, vocabulary acquisition, and word study. The student now prepares original conversations and short narratives based on materials studied. Magazines, newspapers and French videos are also used in the classroom.

## **0512 - French 3 (10-12) Academic**

### **PREREQUISITE: French 2**

Dialogues and short narratives in French are the prerequisite for the more advanced reading selections. Students write their own essays on selected topics. More advanced grammatical concepts are introduced through the text *Viens Voir!* Supplementary reading materials are used to provide some appreciation of French literature. Magazines, newspapers, films and *Discovering French Part II*, a textbook, are also used in the classroom.

## **0531 - French 4 Honors (11, 12)**

### **PREREQUISITE: French 3**

Listening comprehension, speaking, reading, writing, and culture are all strongly emphasized. Advanced grammar structures are taught through the text *Viens Voir!* Only French is spoken in the classroom. The students' writings are based on class discussions, various readings, and their own creativity. They are also expected to write a research paper entirely in French. The reading selections are both fiction and nonfiction. Contemporary literature is offered to each student in preparation for college requirements and in accordance with state standards. Reading materials from *Discovering French - Part III* are studied and the rigor of the class is that of a pre-AP course.

## **5131 - AP French (12)**

### **PREREQUISITE: French 4 Honors**

Advanced Placement French Language and Culture covers the fundamentals of the French language including grammar, syntax, and conjugation and elements of French culture. The function of the course is to prepare students for the AP French exam through the use of listening comprehension, the analysis grammar and syntax through the reading of French literature, oral presentations, and written compositions and dialogues. Students will also explore the culture of France through authentic learning experiences.

### **0519 - Spanish 1 (9-12) Academic**

Spanish 1 Academic introduces the student to the study of foreign language as well as to the culture, civilization and way of life of Hispanic people. Students are introduced to the four language skills; listening, reading, writing and speaking. This is accomplished through short original written works, dialogues, reading and listening comprehension activities.

### **0520 - Conversational Spanish (9, 10) General**

This course introduces the student to the study of foreign language as well as to the culture, civilization and way of life of the Hispanic people. Students focus their efforts on acquiring listening, speaking and writing skills. The students enrolled in this course are not expected to continue with Spanish. This course is not recommended for college-bound students but will fulfill the World Language requirement for graduation.

### **0521 - Spanish 2 (9-12) Academic**

#### **PREREQUISITE: Spanish 1 Academic**

Students will be engaged in a comprehensive review of Spanish 1, followed by the acquisition of new vocabulary, grammatical structures and tenses. In this way, the students continue to develop the four language skills in a variety of ways, including original written works, dialogues, reading and listening comprehension activities.

### **0536 - Spanish 2 (9-12) Honors**

#### **PREREQUISITE: Spanish 1 Academic**

The Spanish 2 Honors course will allow students to gain a deeper appreciation for Hispanic culture, while learning the four language skills: reading, writing, speaking and listening at an accelerated pace. This is accomplished through short original written works, dialogues, reading and listening comprehension activities. The students will cover the Spanish 2 curriculum as well as some additional topics.

### **0523 - Spanish 3 (10-12) Academic**

#### **PREREQUISITE: Spanish 2**

Spanish 3 develops the language skills introduced during the first and second years. In addition to the continued development of listening and speaking skills, more emphasis is placed on reading and writing. Students write original paragraphs and compositions in the language. They also translate selections appropriate for this level. Cultural aspects of the Spanish-speaking world are provided through reading and through the audiovisual materials utilized.

**0537 - Spanish 3 (10-12) Honors**  
**PREREQUISITE: Spanish 2 Honors**

During Spanish 3 Honors students continue their study of the Spanish language at an accelerated pace. Students strengthen their reading, writing, listening and speaking skills through interactive and individual activities. An emphasis is placed on an increased use of Spanish for active communication throughout each class. Original writing is also emphasized as students write compositions, stories and dialogues which employ learned grammatical concepts and vocabulary. Short stories and articles supplement the text to strengthen reading skills. Cultural aspects of the Spanish-speaking world are provided through readings and audiovisual materials.

**0525 - Spanish 4 (11, 12) Academic**  
**PREREQUISITE: Spanish 3**

Spanish 4 aims at developing and improving students oral and written communication through the continued study of the language, literature and culture of Spain, Latin America and Hispanic communities in the United States. Expanded development of grammar through the review of the subjunctive and other important grammatical areas, cultural understanding, conversation, writing, and reading skills are undertaken at this level.

**0538 - Spanish 4 (11, 12) Honors**  
**PREREQUISITE: Spanish 3 Honors**

This course integrates the four language skills (listening, speaking, reading and writing) with an intensive review of verb tenses such as subjunctive and other grammatical points. Listening skills are developed as well as increased conversational fluency. Extensive reading and writing form an integral part of the work at this level. Students will participate in discussions, write essays and do oral presentations. The students' ability to read and appreciate literary and non literary texts in Spanish is improved while deepening awareness and understanding of the cultural diversity of the Spanish-speaking world.

**5251 - AP Spanish (12)**  
**PREREQUISITE: Spanish 4 Honors**

The Advanced Placement Spanish course covers selected works from the literatures of Spain and Spanish America. The function of the course is to prepare students to understand a lecture in Spanish and to participate actively in discussions on literary topics in Spanish. In addition, students do a close reading of literary texts of all genres in Spanish. They also analyze critically the form and content of literary works (including poetry) orally and in writing using appropriate terminology.

# ***Business***

## **0604 - Sports and Entertainment Marketing (9-12) Academic (Semester)**

This course provides students with the opportunity to learn and apply marketing principles in the fields of travel, sports, entertainment and recreation. The course is to teach the economics of the travel/sports/entertainment industry and to cover such aspects as advertising, endorsements, sponsorships, public relations and regulations.

## **0606 - Business Concepts and Leadership (9, 10) Academic (Semester)**

Introduction to Business is a half-year semester course that will provide students with opportunities to explore a variety of topics in the field of business. Areas studied will include economic decision-making, international business practices, business organization and management, entrepreneurship, workforce diversity, and career planning and development. Students will acquire the knowledge, skills, and competencies necessary to prepare them for a competitive and diverse workplace.

## **0620 - Personal Law (9-12) Academic (Semester)**

This course provides an introduction to the legal system with a focus on an individual's rights and obligations. Areas studied include the development and foundation of law, crimes, torts, ethics, civil and criminal court procedures and juvenile law. Trips to the Passaic County Court House and lectures by legal specialists and law enforcement officials are highlights in the course.

## **0621 - Entrepreneurship (9-12) Academic (Semester)**

This semester course will allow students to identify the fundamentals of business creation, the personal attributes needed to become a successful entrepreneur and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneur opportunities, and researching and analyzing domestic, global and market trends.

### **0635 - Financial Literacy (11, 12) Academic (Semester)**

This one-semester required course will fulfill the growing need for our 21st century citizens to be financially literate. All students will develop skills and strategies that promote personal and financial responsibility related to financial planning, savings, and investment. Some of the topics included will be: Income and Careers, Money Management, Credit and Debt Management, Planning, Savings and Investing, Becoming a Critical Consumer and Insurance.

### **0920 - Senior Internship (12) Academic**

The Senior Internship provides unpaid experiential, supervised, in-depth learning opportunities at Pompton Lakes High School as well as off-site facilities. Students can pursue career interests in a specific academic field under the mentorship of a teacher, professional or business sponsor. District personnel will coordinate and evaluate the student's work performance. Ten credits are granted upon satisfactory completion of the Senior Internship.

### **0921 - Work-Based Learning (12) General**

Work-Based Learning (Structured Learning Experience) provides experiential, supervised, in-depth learning opportunities so students can explore career interests and gain on-the-job work experience. The sponsoring organization (business, governmental agency or not-for-profit) and district personnel will coordinate to evaluate the student's work performance. Ten credits are granted upon satisfactory completion of the Work-Based Learning.

## ***Culinary Arts***

### **0708 - Introductory Foods (9-12) General (Semester)**

This semester course is open to all students and will help students be more successful in the kitchen creating simple meals for themselves by increasing their basic culinary skills. This course will help all students handle themselves with more assurance in social situations and restaurants. Students will gain appreciation for the food they eat and what basic nutrition should be observed in order to realize optimum health. Quick breads, breakfast meats, eggs, muffins, cookies, and dinner meals are some of the areas of study included in this course.

### **0709 - Homestyle Cooking (10-12) General (Semester)**

#### **PREREQUISITE: Introductory Foods**

This semester course develops the student's culinary skills to such a degree that the student will be able to plan meals, balance nutrition and keep a kitchen budget, a must for any student planning to live off-campus during his or her college career. Nutrition is thoroughly pursued in this course including maintaining weight successfully and appetite control. Casseroles, stews, hearty soups, meat loaves, vegetables, desserts, and hometown American recipes are prepared and served.

## **0711 - Advanced Baking (10-12) General (Semester)**

### **PREREQUISITE: Introductory Foods**

This semester course is divided into two basic areas of study: pastry and cakes. During this course, students will prepare the four basic types of pastry plus variations and fill them with creams, chiffons, mousses, nut gels, fruit, and Bavarian cremes. Butter, chiffon, and foam cakes are prepared with all types of cooked and uncooked frostings and glazes, and filled with fruit and cream fillings. Basic cake decorating skills are developed, including pastry bag work.

## **0719 - International Cooking (10-12) General (Semester)**

### **PREREQUISITE: Introductory Foods**

This semester course covers the study and preparation of cuisines from around the world using authentic recipes from each of the countries. The student will study each country briefly to appreciate the cuisine of that nation. From the pastas of Italy to the stir-fried of China, the student travels the globe through the wonderful world of food.

## **Career and Technical Education (CTE)**

The Pompton Lakes High School Culinary Arts CTE program provides students with the academic and technical preparation necessary to pursue high-demand careers in the food service industry. The knowledge and skills are acquired within a sequential, standards-based pathway program that integrates hands-on projects, work-based instruction, and leadership development. The Culinary Arts program is designed to prepare students for technical training, postsecondary education, or entry to a career. Students pursuing this career pathway have in-depth, hands-on experiences that emphasize industry awareness. Sanitation and safe food handling will also be emphasized, with students attaining a ServSafe Food Handlers certification at the completion of the program. The program will result in the attainment of essential culinary, employability, and supervisory knowledge, techniques, and skills, which are paramount for success in both the industry and post-secondary education.

## ***Education***

## **0725 - \*Introduction to Education (12) Academic (Semester)**

This introductory-level course is for students who are interested in teaching or a career in education. It will provide insight into the roles of those individuals employed in the field of education. Students will become familiar with the current requirements for certification, education standards and topics and trends in education. Coursework will include class visits, guest speakers, and appropriate creation of planning documents.

## ***Art***

## **0801 - Introduction to Art (9-12) General**

This course is truly for the beginner. It is a hands-on course designed to introduce the students to a variety of media, equipment and techniques used in the creative process. The students will explore the fundamentals of art through use of the elements and principles of design in creating two and three-dimensional studio projects. Students will develop an understanding of the critiquing process, artists, and artistic movements. Studio projects will include: painting, drawing, ceramics, sculpture, and printing. This course is required as a prerequisite for advanced art.

### **0810 - Three-dimensional Design (9-12) General (Semester)**

This semester course is designed for the student to explore the creative process in a new set of three-dimensional studio projects. Students will learn a variety of new techniques in the following media: clay modeling, plaster casting, mold making, clay reproductions, ceramic glazing and digital photography. Emphasis is placed on developing awareness and creativity in height, width and depth in objects suitable for casting. The command of technical information and applied skills are perfected in the development of a concept that is brought into the 3-D world through sketches.

### **0812 - Sculpture (9-12) General (Semester)**

This semester course is designed for the student to explore the creative process in three-dimensional studio projects. Emphasis is placed on developing awareness of height, width and depth to create a sculpture. The command of technical information and applied skills are perfected in the development of a concept that is brought into the 3-D world through sketches, collage, and relief resulting in sculpture. Students work with a variety of media: clay, modeling compounds, plaster, sculpture, digital photography and computer compositions.

### **0813 - Exploring Color through Painting (9-12) General (Semester)**

This is a studio course for everyone. Students will use the color wheel to learn about color relationships and different painting techniques. Based on the elements and principles of design, preliminary sketches and photographs result in completed paintings. Students will experiment with a variety of media: watercolor, tempera, silk dyes and acrylic paint in this hands-on class. Through introducing famous artists and their painting styles each student will be encouraged to develop his/her unique style. The information presented in this class will benefit the student in basic every day applications and provides a foundation in color for students taking additional art courses.

### **0814 - Mixed Media (9-12) General (Semester)**

This studio course is designed for the beginner as well as the advanced art student. Each student will work with a variety of media: photographs, paper, paint, fabric, cardboard, wood, wire, metal, and found objects, to create unique works of art. Mixed media is a popular way to experiment and combine materials to develop and produce hands-on projects such as collage, book sculpture and assemblage. The student will be introduced to the artistic movements of Cubism and Surrealism.

### **0811 Advanced Art (11, 12) Academic** **PREREQUISITE: Introduction to Art**

This course is a studio course. Emphasis is on the development of each student's individual style. The assignments include a variety of media offering each student an opportunity to incorporate a wide range of advanced techniques to create artwork, encouraging experimentation and creativity. The course challenges the student to reach a higher level of creative thinking, visual problem-solving, and technical proficiency. Studio assignments include painting, mixed media, ceramics, pen-and-ink, sculpture, watercolor, and printing. The student prepares work for display, competitive exhibits, and contests. Art history and the critique process are infused in each hands-on studio project. Each student develops a portfolio of his or her work.



## **0816 Digital Imaging/Visual Communications (10-12) Academic**

From the sophistication of elegant photography to surreal and uninhabited multi-photo compositions, this course explores most everything within digital art. This course will take students from the most basic understanding of digital imaging, to the inner workings of Photoshop all while cultivating and encouraging the creative process. The class starts at the mechanics of a SLR (Single Lens Reflex) camera and digital images then goes from basic to advanced workings of Photoshop. Then it takes students into Illustrator and InDesign and explores visual communication and graphic design. The course ends with blending everything together to create intricate compositions. The theory of this course is that if the student can do everything (in digital photography and communication) they can do anything.

## **0817 Advanced Digital Imaging/Visual Communications (11, 12) Academic** **PREREQUISITE: Digital Imaging/Visual Communications**

Having a solid foundation of photography and Adobe functions paves the way for students to delve deeper into Adobe's intricate processes as well as focusing on developing ideas, and crafting content. In its prerequisite, Photoshop, InDesign and Illustrator are all explored, but now students will expand into the full creative potential of each suite. There is also more of an emphasis on in-class student run critiques as students search for contextual clues within artworks to reveal artistic intent, enabling the viewer to hypothesize concepts. Having compositions critiqued, as well as critiquing themselves, students develop their own photographic style, as well as an individual eye as a graphic designer.

## **8100 - AP 2-D Art and Design (11, 12)** **PREREQUISITE: Two full years of art**

This program provides an opportunity for the visually gifted to excel and receive recognition on a national scale. Students will focus on work in a variety of media; drawing, painting, printmaking, photography, crafts, digital imaging and design. Using a wide range of approaches to art, students will be able to incorporate skills and techniques which reflect a study of 2-D art. This art will span personal, cultural, philosophic and historical viewpoints. Lastly, this course will allow for students to prepare a portfolio consisting of three sections: quality, concentration, and breadth.

## **0820 Form, Function and Design 1 (9-12) General**

In this course students will be exposed to and explore artistic and creative expression through the production of fine and decorative art using wood as the primary medium. The goal is for students to develop the mechanical skills necessary to create functional visual works of art using both traditional and non-traditional methods.

## **0821 Form, Function and Design 2 (10-12) General** **PREREQUISITE: Form, Function and Design 1**

This course builds on the principles taught in Form, Function and Design 1. Included in this course are units related to the manufacturing industry, such as furniture design and construction. Students will work individually as well as in groups to create high-end projects from wood.

# ***Music***

## **0901 - Chorus (9-12) General**

Chorus is a full-year course geared to the preparation and performance of choral literature from various historical and compositional periods. To that end, the study of all aspects of singing, including vocal health, structures of the vocal instrument, diction, and vocal techniques are studied. The Chorus is comprised of four main voices (soprano, alto, tenor and bass), which are classified at the beginning of each year. The Chorus sings in as many possible combinations of these voices as possible, both accompanied and a cappella, though special emphasis is placed on four-part unaccompanied singing. The Chorus performs in at least two concerts per year as well as in competitive settings. Previous singing experience is recommended, but is not necessary.

## **0902 - High Tech Music (9-12) Academic**

In this course students will learn how to record live music/instruments/voices with microphones and mix levels using several digital software applications. Students will also be trained how to input midi sounds with synthesizers, sound samples, and rhythm tracks. With the use of Protools, Sibelius and GarageBand, students will not only discover how to record and mix music, but will also learn how to create, notate and print out their own sheet music compositions on a computer. Prior music knowledge is not required for this course, but is recommended.

## **0914 - Band (9-12) Academic**

**Students must play an instrument.**

The Concert Band is an instrumental performing ensemble composed of woodwind, brass, and percussion instruments. This full-year course serves as a vehicle for instrumental students to perfect their performing skills in a large group setting. Students study and rehearse standard concert band literature reflecting a diverse array of composers and time periods. The Concert Band performs in at least two concerts per year as well as in competitive settings. Previous experience is recommended.

## **0905 - AP Music Theory (10-12)**

**PREREQUISITE: Students must know music notation. Band, Chorus, or approval of the Music Theory teacher.**

This full-year course is designed for those students who intend to pursue a career in music, as well as for those who would like to explore music on a more intellectual basis. The course work covered in this class is equivalent to a first year music theory course at the university level. Course work will include intervals, scales and key signatures, chords, metric organization and rhythmic patterns and will progress to the writing and analysis of simple four-part chorales using standard Western compositional techniques. Ear training and sight-singing will be an integral part of this course. Band and Chorus students are strongly encouraged to take this class. All students in the class are encouraged to take the AP exam in May.

## NOTES

[illegible]

